



3715 E. Leach
The Royal London Hospital
London

Groot Brittannië

INPUTS 2013.1

Survey	INPUTS 2013.1
Start date	January, 1 2013
Supervisor	dr. C. Weykamp MCA Laboratory Streekziekenhuis Koningin Beatrix Winterswijk
Subscriptions	93
Result sets	91

Scores	Your score	MAP	reported
Quantitative	28	38	



3715 E. Leach
The Royal London Hospital
London

Groot Brittannië

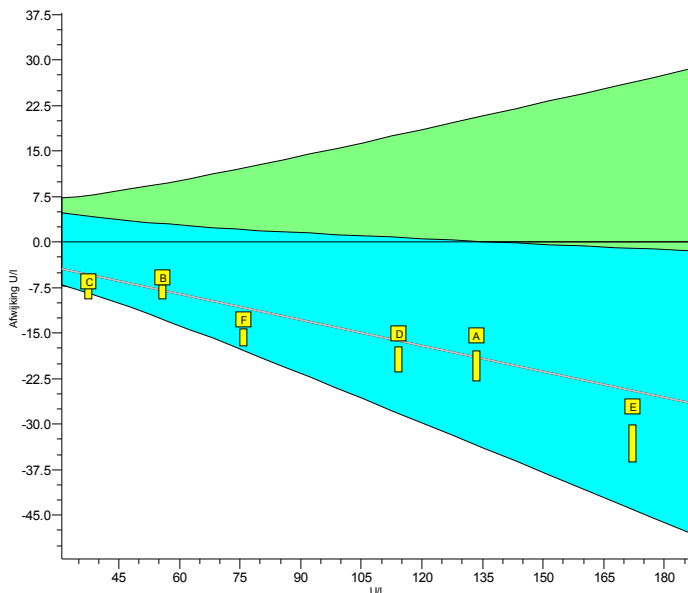
INPUTS 2013.1

Analyte		Trueness				Precision		Performance			
		your mean	ref.	cons.	SDtI	your prec.	SDbl	this survey	PS	cumulative PSc	
ALAT	U/l	84.3	98.2	86.9	10.1	2.3	2.7		1		1
Alk. Phosphatase	U/l	154	177	163	15	2	2		2		2
Amylase	U/l	199	207	201	8	7	2		2		2
ASAT	U/l	67.5	78.6	71.5	6.8	2.0	1.6		0		0
Calcium	mmol/l	2.45	2.46	2.47	0.07	0.06	0.02		2		2
Chloride	mmol/l	99.7	100.0	100.8	1.8	0.3	0.9		2		2
CK	U/l	230	244	253	18	4	3		2		2
Creatinine	µmol/l	157.5	149.1	150.9	7.1	7.5	4.2		0		0
eGFR (F, 55, white)	ml/min/1,73m²	50.5	37.6	37.6	2.7	2.6	1.5		0		0
Gamma-GT	U/l	82.8	87.7	86.3	8.6	2.3	1.2		2		2
Glucose	mmol/l	13.93	13.93	14.19	0.44	0.22	0.18		2		2
LD	U/l	1084	549	539	33	6	9		0		0
Magnesium	mmol/l	1.18	1.22	1.23	0.04	0.03	0.02		2		2
Potassium	mmol/l	5.38	5.39	5.30	0.10	0.03	0.04		2		2
Sodium	mmol/l	144.0	144.0	142.7	1.7	0.6	0.9		2		2
Total Protein	g/l	63.0	66.1	65.3	1.8	0.3	0.7		2		2
Urate	µmol/l	354	376	374	15	8	4		2		2
Cholesterol	mmol/l	5.07	5.07	5.15	0.14	0.06	0.05		2		2
HDL-Cholesterol	mmol/l	1.18	1.14	1.17	0.06	0.05	0.03		1		1
Total :								28	28		

INPUTS 2013.1

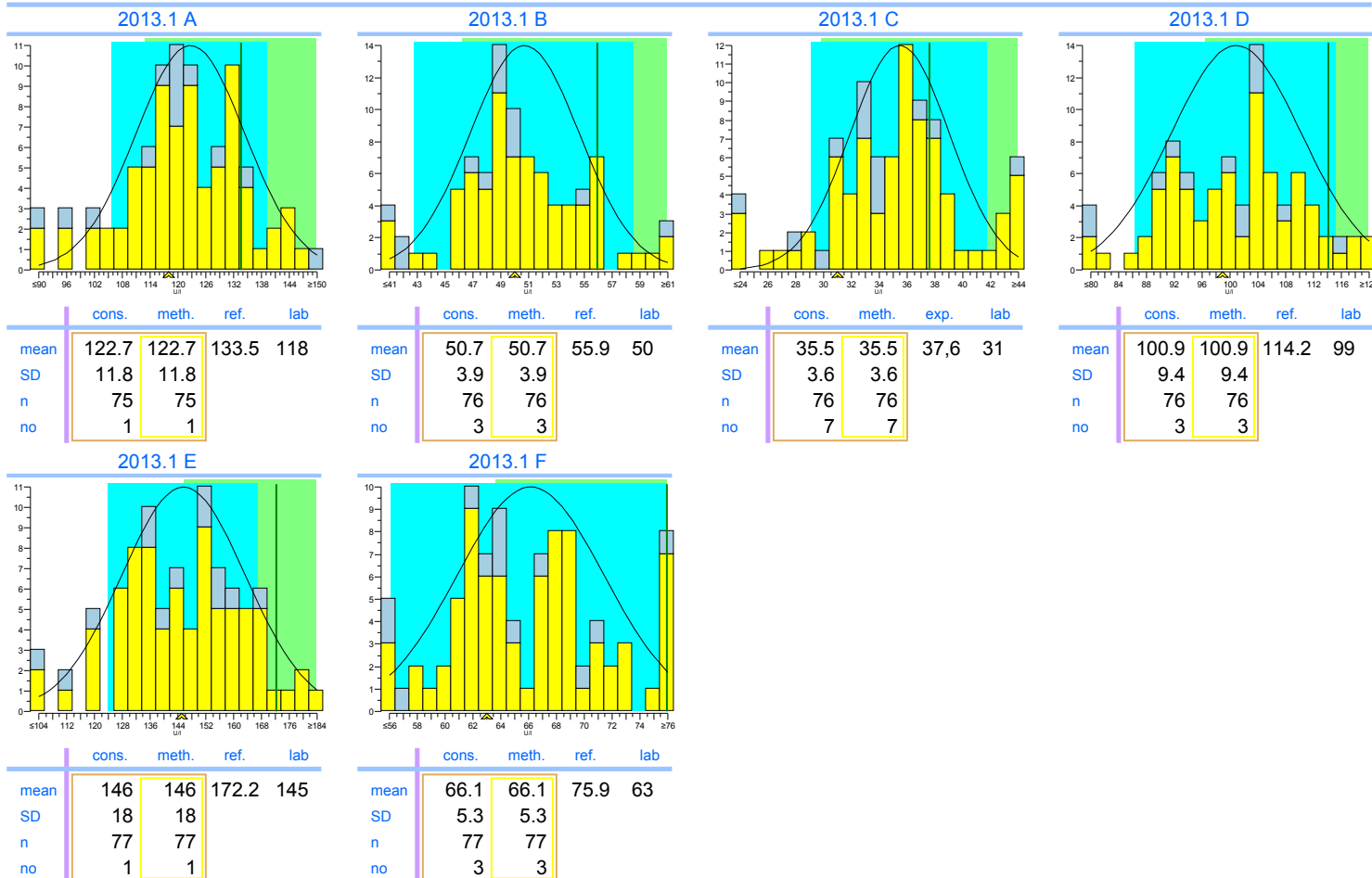
ALAT

units: U/l



	2013.1	cumulative
Trueness	-14%	-14%
Precision	2.7%	2.7%
Number	6	6
Outliers	0	0
Sigma-TE	2.0 1	2.0 1
Sigma-SA	0.4	0.4
Score pictogram		
Regression line	$0.0 + 0.858.x$	$0.0 + 0.858.x$

Consensus group IFCC traceerbaar
Method IFCC traceable



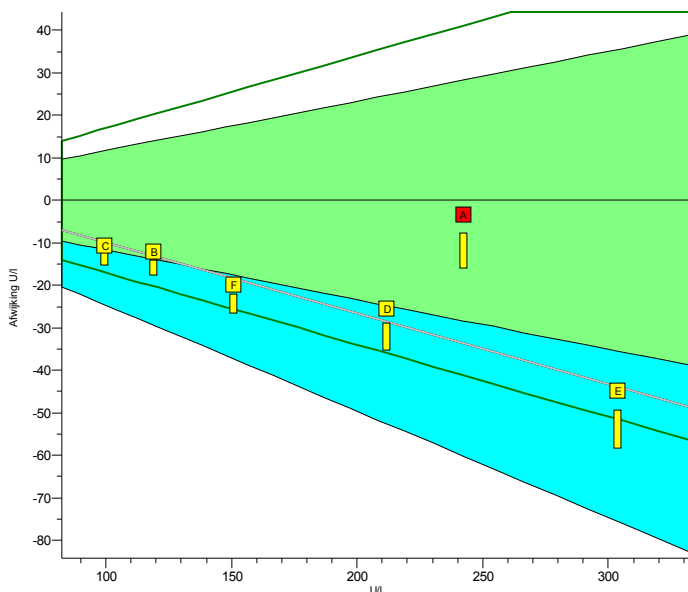
Legend



IFCC traceable IFCC non-traceable

INPUTS 2013.1

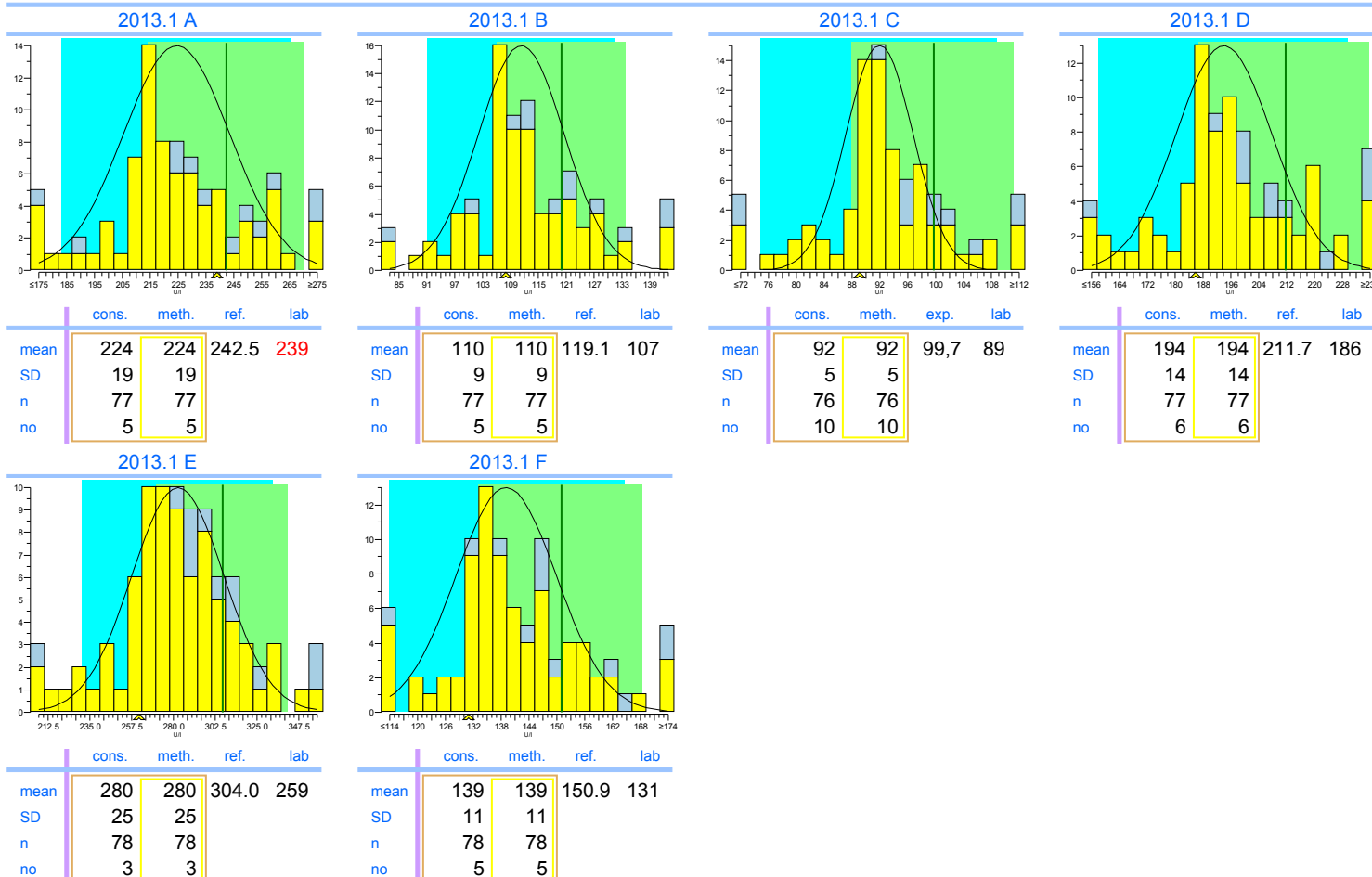
Alk. Phosphatase

units: U/I



	2013.1	cumulative
Trueness	-13%	-13%
Precision	1.3%	1.3%
Number	6	6
Outliers	1	1
Sigma-TE	1.7	1.7
Sigma-SA	5.1 2	5.1 2
Score pictogram		
Regression line	$7 + 0.834 \cdot x$	$7 + 0.834 \cdot x$

Consensus group	IFCC traceerbaar
Method	IFCC traceable

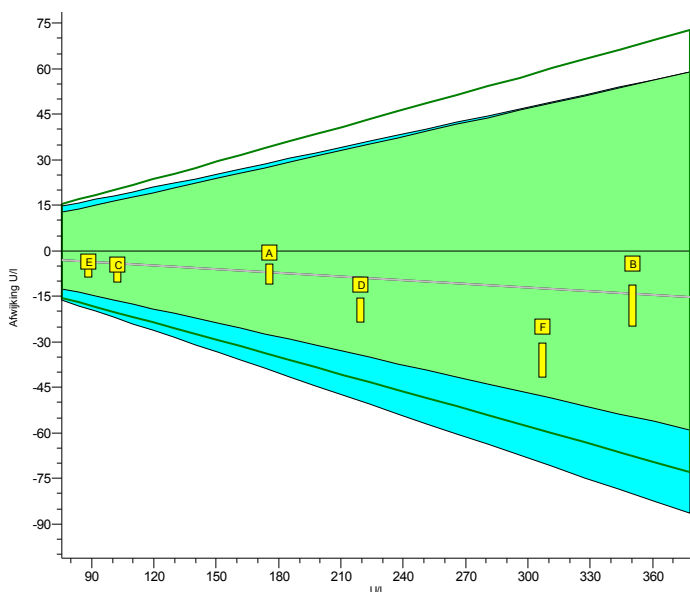


Legend
 IFCC traceable IFCC non-traceable

INPUTS 2013.1

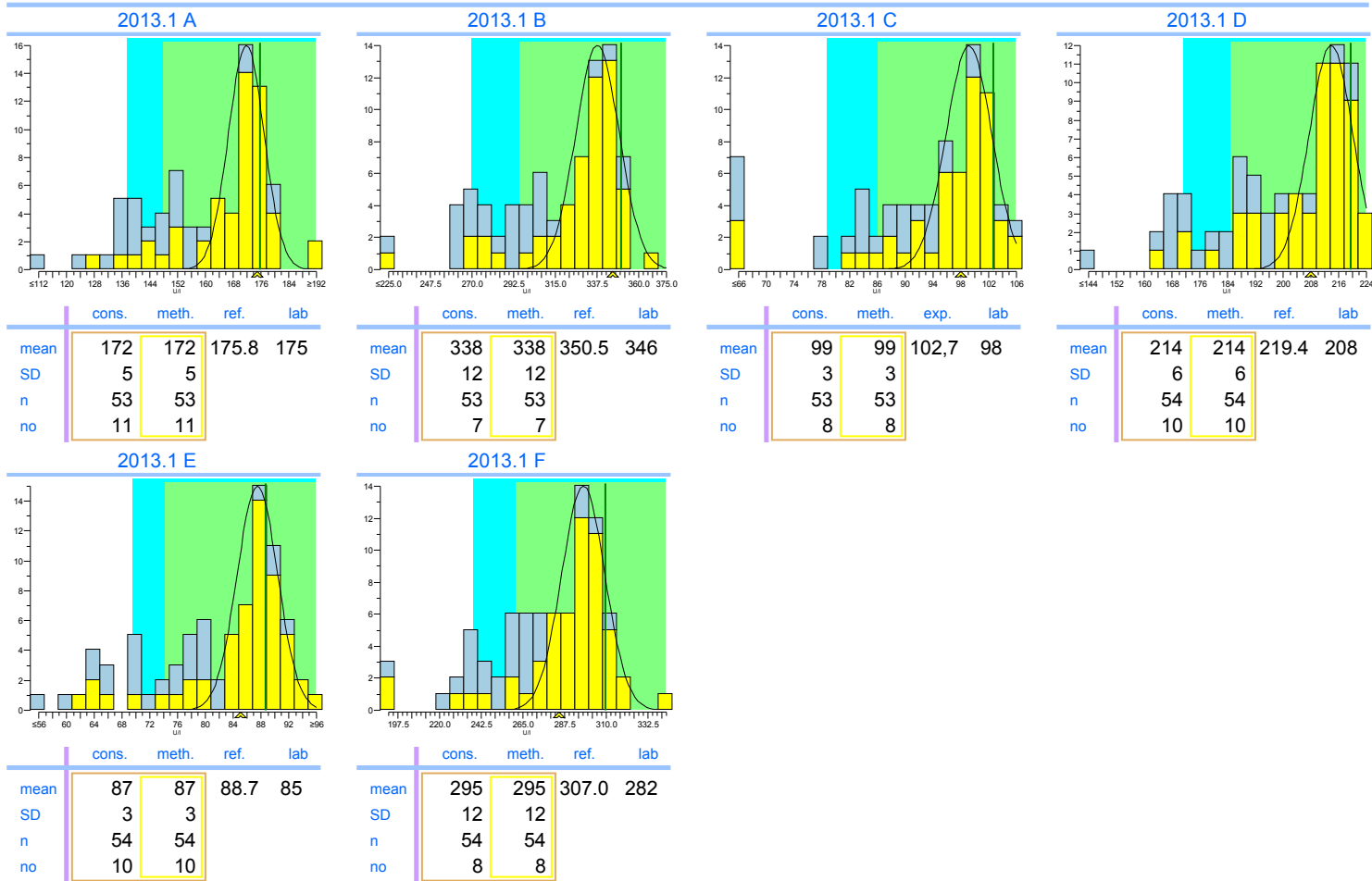
Amylase

units: U/l

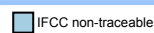


	2013.1	cumulative
Trueness	-4.0%	-4.0%
Precision	3.7%	3.7%
Number	6	6
Outliers	0	0
Sigma-TE	6.0	6.0
Sigma-SA	6.0	6.0
Score pictogram		
Regression line	$0 + 0.960 \cdot x$	$0 + 0.960 \cdot x$

Consensus group IFCC traceerbaar
Method IFCC traceable



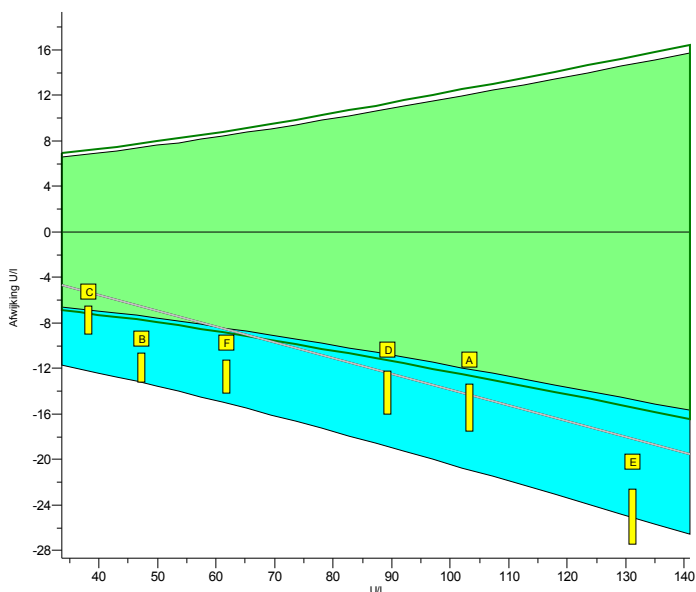
Legend

 IFCC traceable  IFCC non-traceable

INPUTS 2013.1

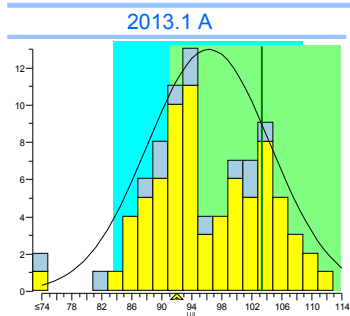
ASAT

units: U/I

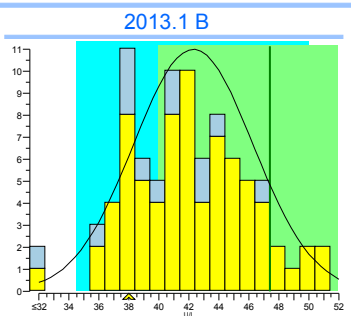


	2013.1	cumulative
Trueness	-14%	-14%
Precision	2.8%	2.8%
Number	6	6
Outliers	0	0
Sigma-TE	0.3	0.3
Sigma-SA	0.6 0	0.6 0
Score pictogram		
Regression line	$0.0 + 0.862.x$	$0.0 + 0.862.x$

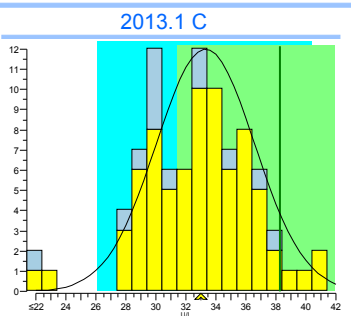
Consensus group IFCC traceerbaar
Method IFCC traceable



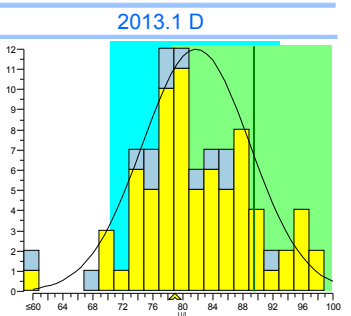
	cons.	meth.	ref.	lab
mean	96.3	96.3	103.3	92
SD	8.2	8.2		
n	75	75		
no	1	1		



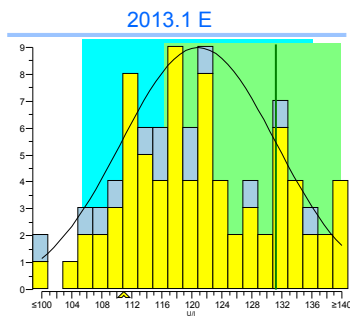
	cons.	meth.	ref.	lab
mean	42.3	42.3	47.4	38
SD	4.0	4.0		
n	75	75		
no	1	1		



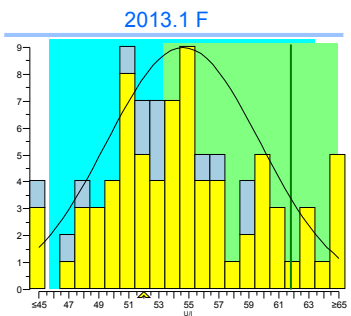
	cons.	meth.	exp.	lab
mean	33.3	33.3	38,3	33
SD	3.3	3.3		
n	75	75		
no	2	2		



	cons.	meth.	ref.	lab
mean	81.8	81.8	89.4	79
SD	7.2	7.2		
n	74	74		
no	1	1		



	cons.	meth.	ref.	lab
mean	120.9	120.9	131.2	111
SD	10.3	10.3		
n	76	76		
no	1	1		



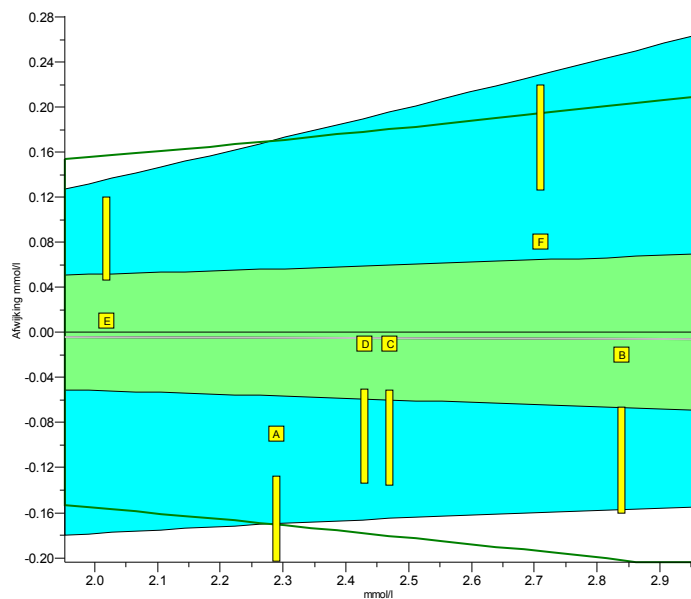
	cons.	meth.	ref.	lab
mean	54.6	54.6	61.8	52
SD	5.1	5.1		
n	76	76		
no	2	2		

Legend
 IFCC traceable
 IFCC non-traceable

INPUTS 2013.1

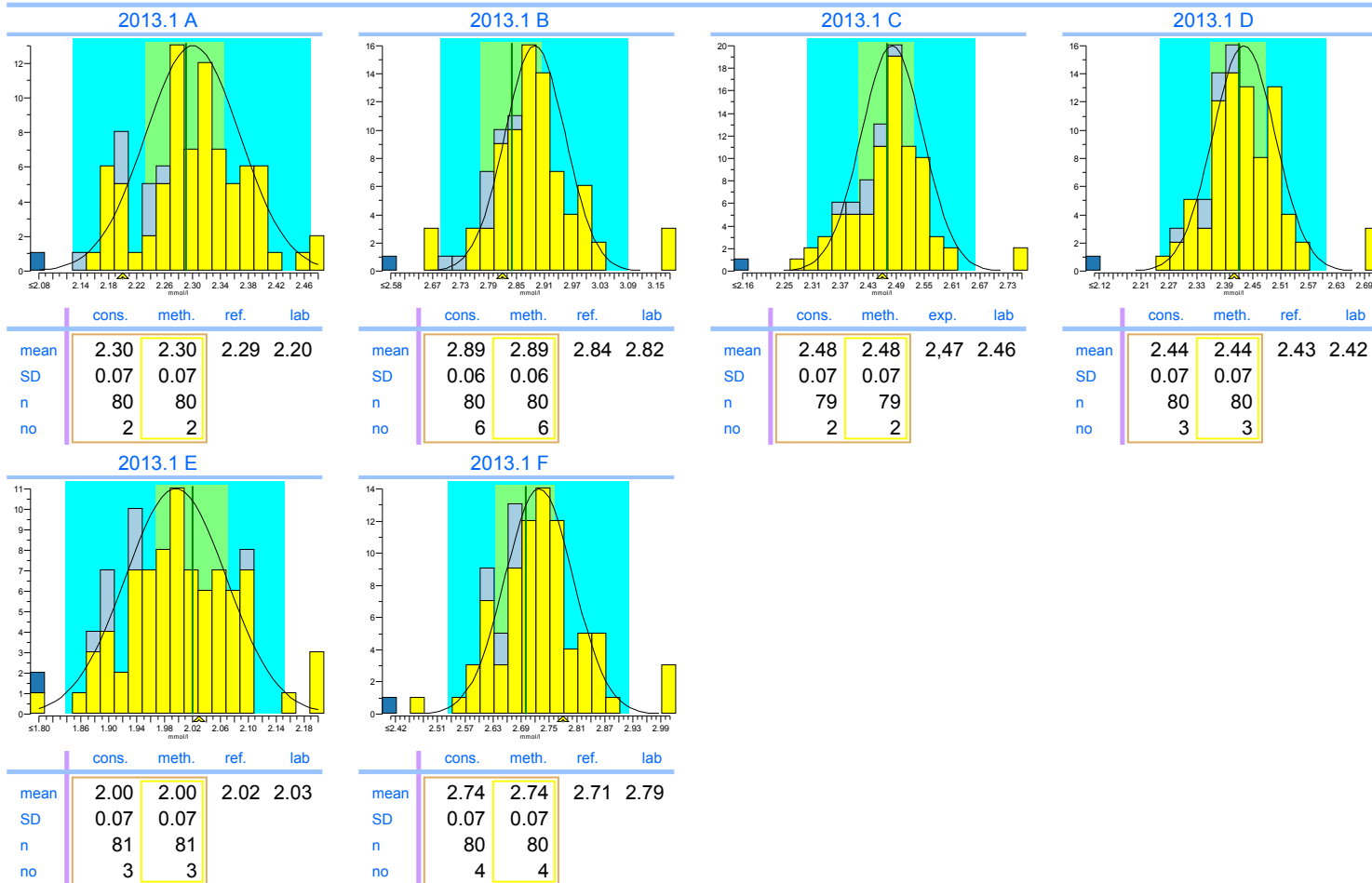
Calcium

units: mmol/l



	2013.1	cumulative
Trueness	-0.27%	-0.27%
Precision	2.3%	2.3%
Number	6	6
Outliers	0	0
Sigma-TE	1.5	1.5
Sigma-SA	5.0 2	5.0 2
Score pictogram		
Regression line	$0.00 + 0.998.x$	$0.00 + 0.998.x$

Consensus group Colorimetrisch
Method Colorimetric, automatic, discrete



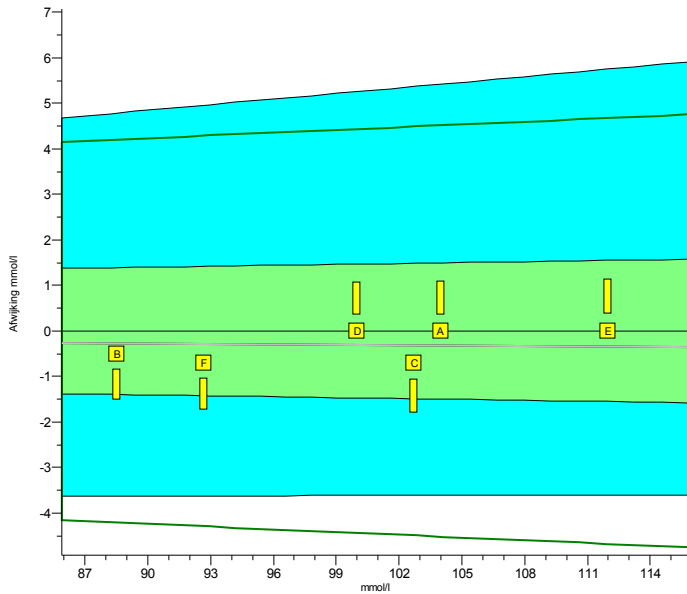
Legend

- Colorimetric, automatic, discrete
- ISE indirect (with predilution)
- Other methods

INPUTS 2013.1

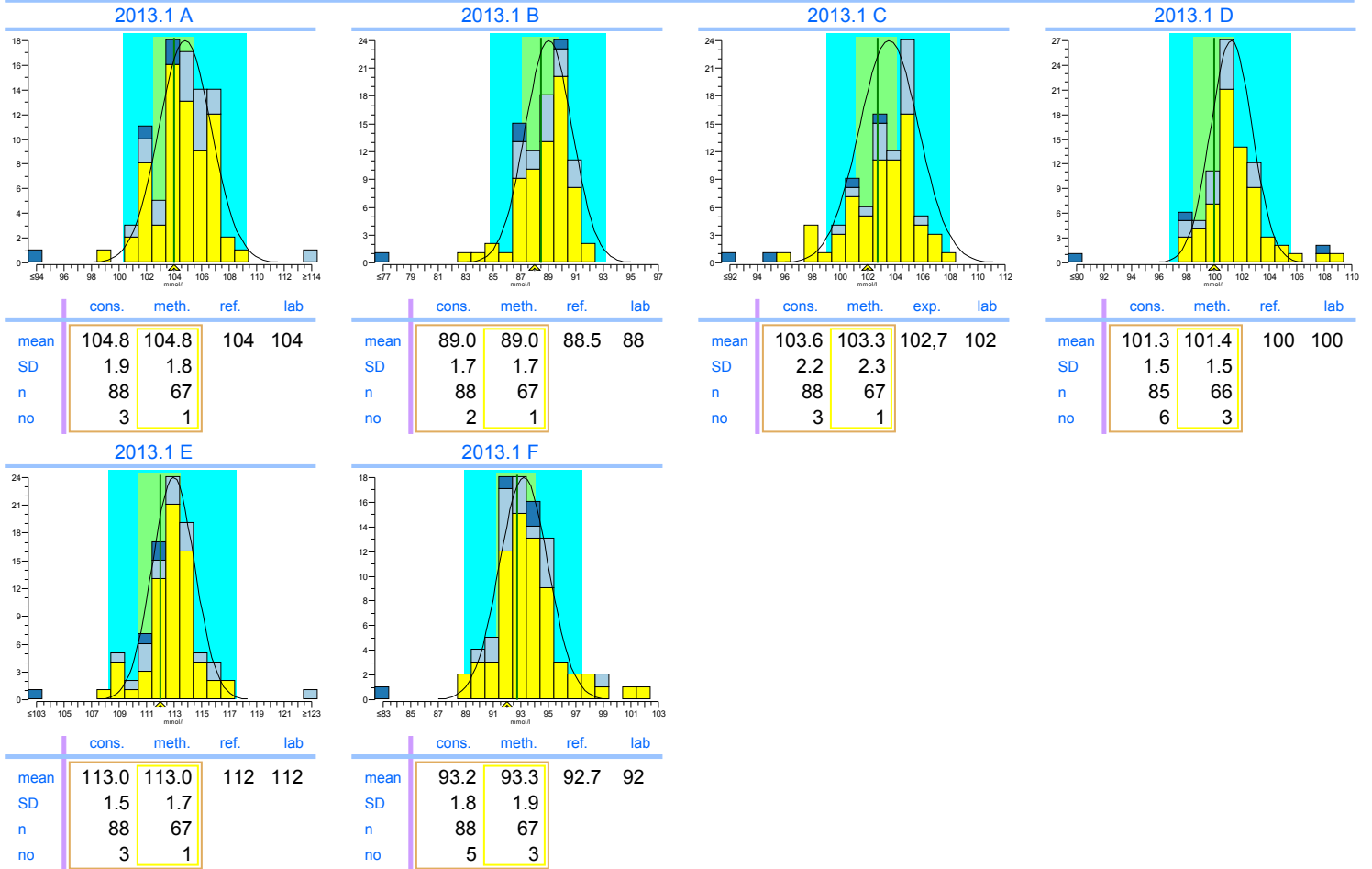
Chloride

units: mmol/l

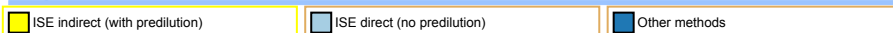


	2013.1	cumulative
Trueness	-0.32%	-0.32%
Precision	0.29%	0.29%
Number	6	6
Outliers	0	0
Sigma-TE	4.7	4.7
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$0.0 + 0.997 \cdot x$	$0.0 + 0.997 \cdot x$

Consensus group ISE/Colorimetrie
Method ISE indirect (with predilution)



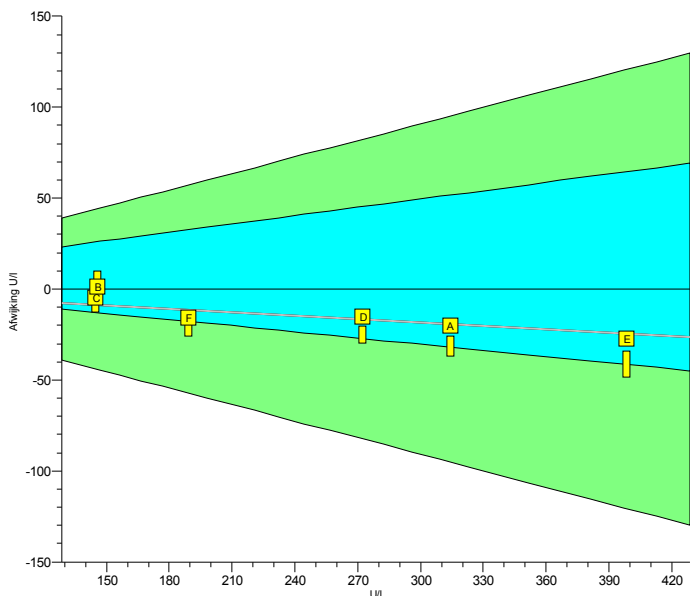
Legend





INPUTS 2013.1

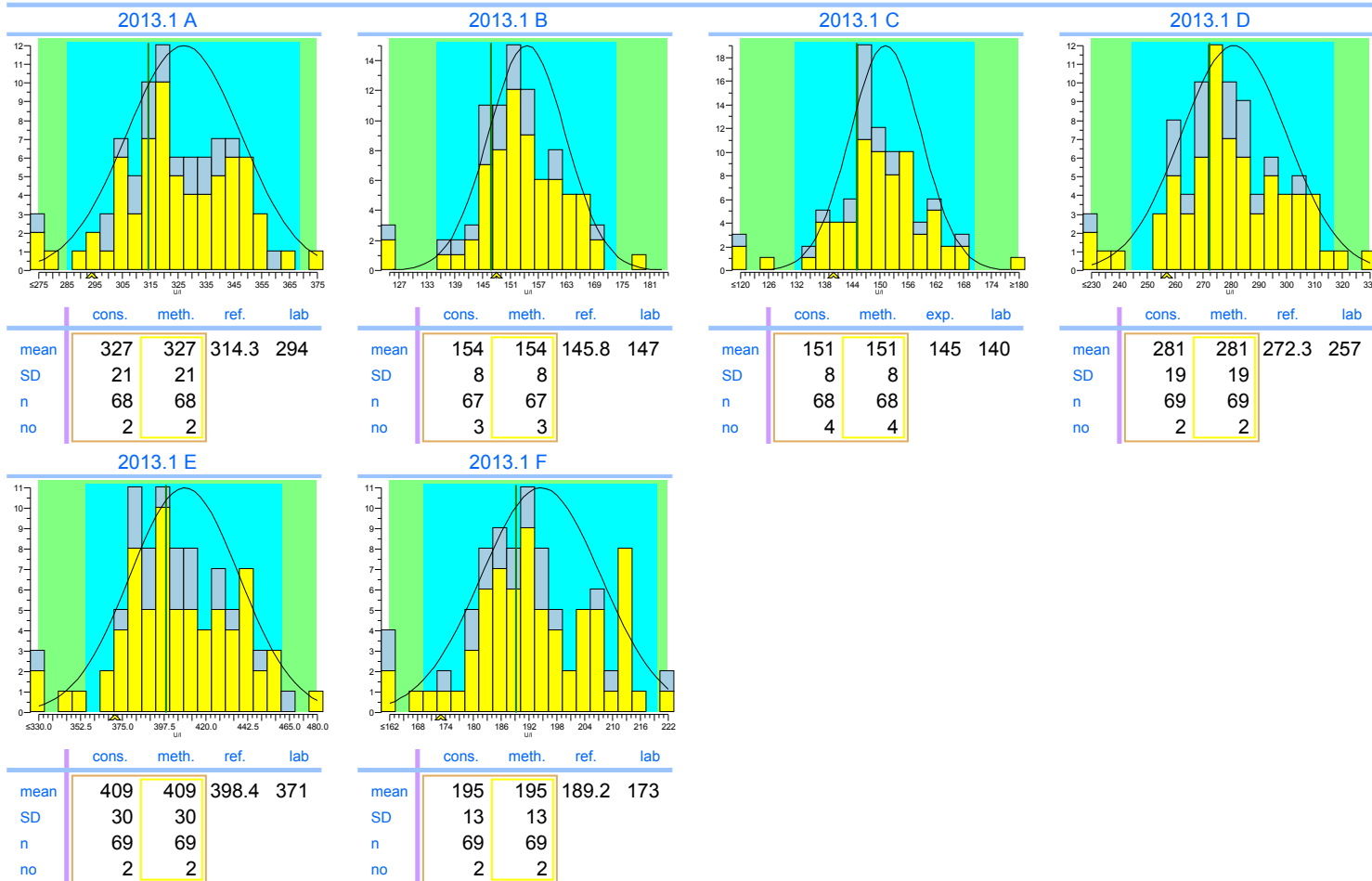
CK

units: U/I



	2013.1	cumulative
Trueness	-5.7%	-5.7%
Precision	1.7%	1.7%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 2	6.0 2
Sigma-SA	5.9	5.9
Score pictogram		
Regression line	$0 + 0.939.x$	$0 + 0.939.x$

Consensus group IFCC traceerbaar
Method IFCC traceable



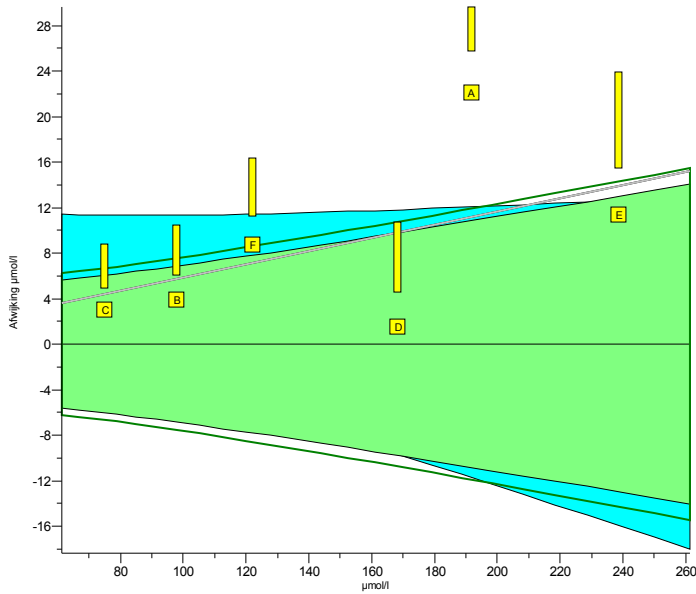
Legend

IFCC traceable IFCC non-traceable

INPUTS 2013.1

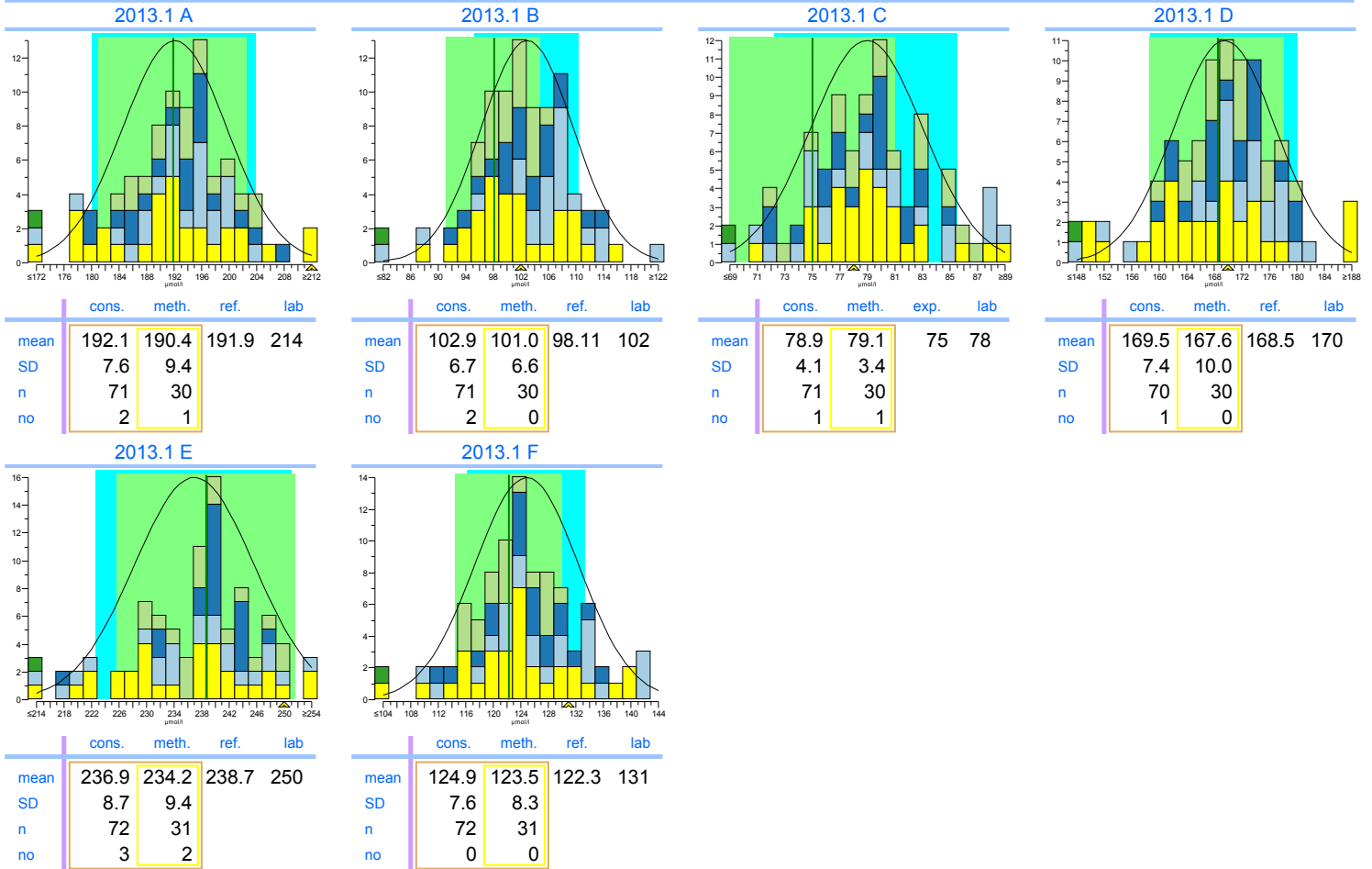
Creatinine

units: $\mu\text{mol/l}$



	2013.1	cumulative
Trueness	+5.6%	+5.6%
Precision	4.9%	4.9%
Number	6	6
Outliers	0	0
Sigma-TE	1.4	1.4
Sigma-SA	1.7 0	1.7 0
Score pictogram		
Regression line	$0.0 + 1.058.x$	$0.0 + 1.058.x$

Consensus group Jaffe
Method Alk. Picrate, kinetic with compensation



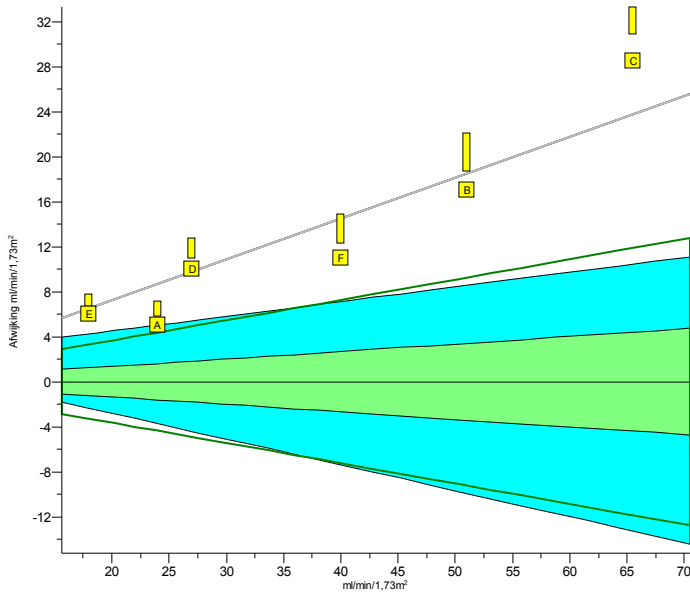
Legend

- Alk. Picrate, kinetic with compensation
- Alk. Picrate, kinetic
- Alk. Picrate, endpoint
- Enzymatic, automatic
- Other methods

INPUTs 2013.1

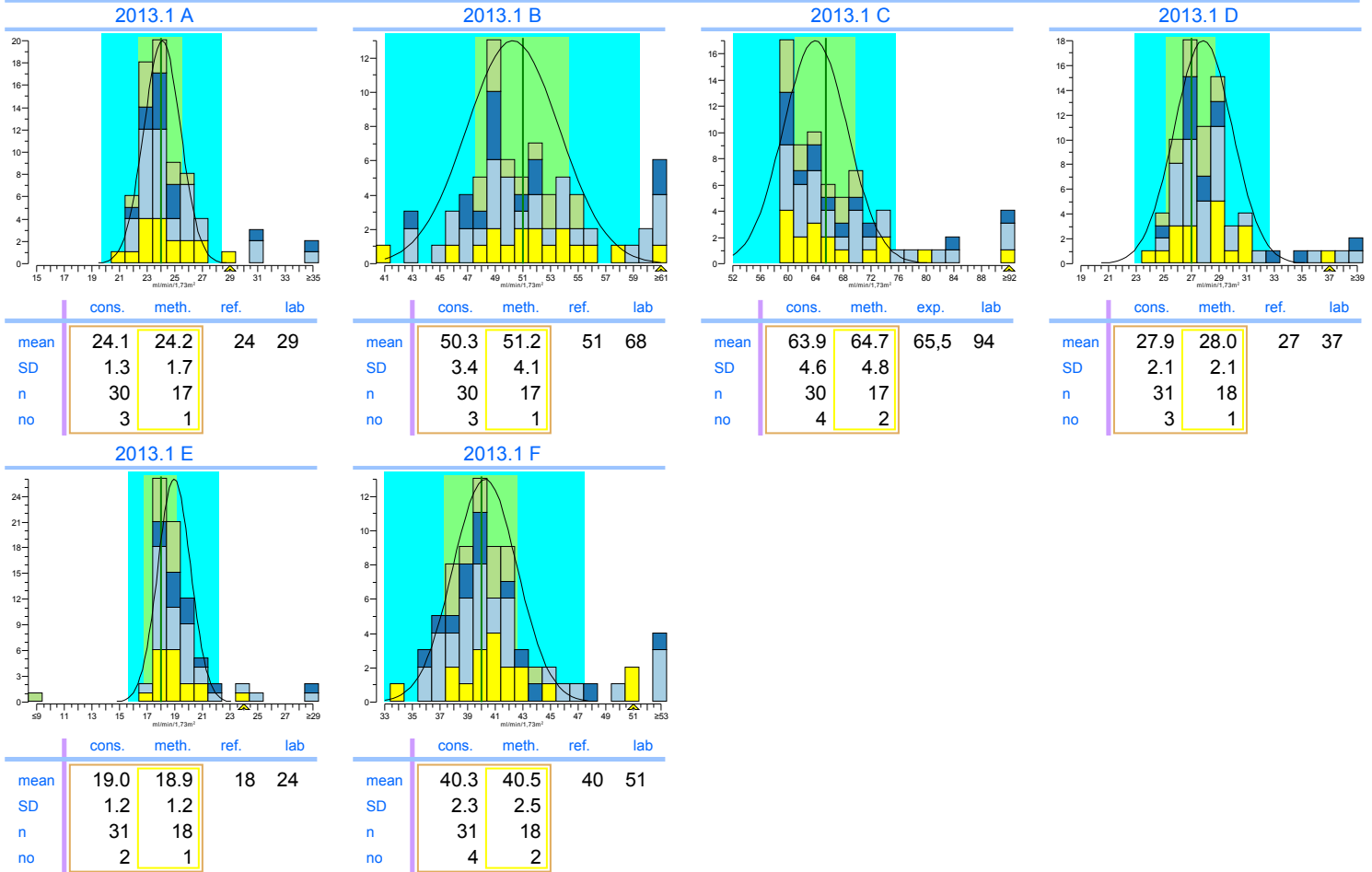
eGFR (F, 55, white)

units: ml/min/1,73m²



	2013.1	cumulative
Trueness	+34%	+34%
Precision	7.0%	7.0%
Number	6	6
Outliers	0	0
Sigma-TE	-3.0	-3.0
Sigma-SA	-2.6 0	-2.6 0
Score pictogram		
Regression line	<u>0.0 + 1.363.x</u>	<u>0.0 + 1.363.x</u>

Consensus group Jaffe
Method Alk. Picrate, kinetic with compensation



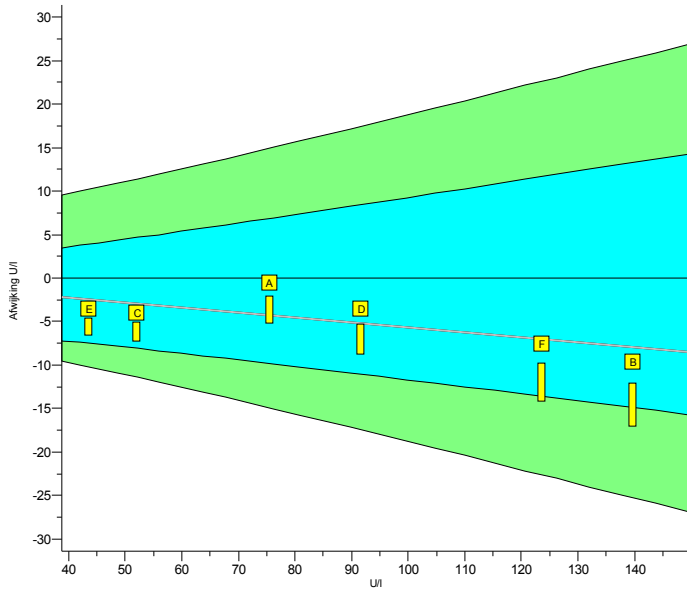
Legend

- Alk. Picrate, kinetic with compensation
- Other methods
- Alk. Picrate, kinetic
- Enzymatic, automatic

INPUTS 2013.1

Gamma-GT

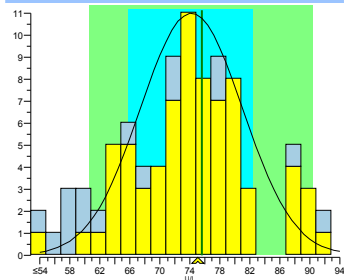
units: U/I



	2013.1	cumulative
Trueness	-5.5%	-5.5%
Precision	2.7%	2.7%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 2	6.0 2
Sigma-SA	4.1	4.1
Score pictogram		
Regression line	$0.0 + 0.943.x$	$0.0 + 0.943.x$

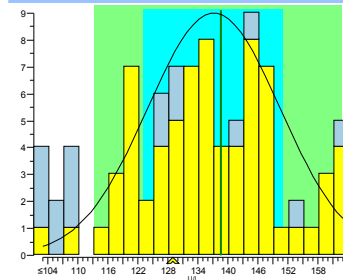
Consensus group IFCC traceerbaar
Method IFCC traceable

2013.1 A



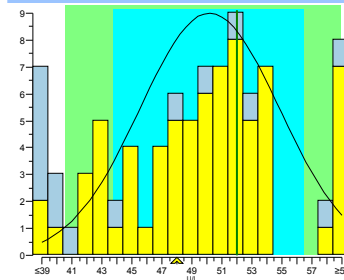
	cons.	meth.	ref.	lab
mean	74.2	74.2	75.6	75
SD	6.8	6.8		
n	72	72		
no	1	1		

2013.1 B



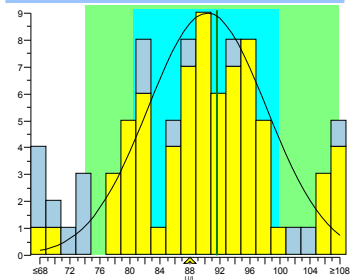
	cons.	meth.	ref.	lab
mean	138.2	138.2	139.7	130
SD	13.3	13.3		
n	72	72		
no	1	1		

2013.1 C



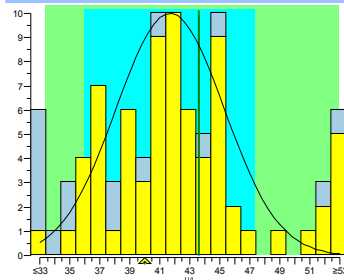
	cons.	meth.	exp.	lab
mean	50.2	50.2	52	48
SD	4.6	4.6		
n	72	72		
no	2	2		

2013.1 D



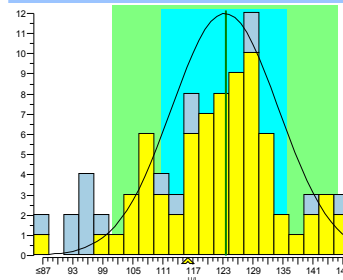
	cons.	meth.	ref.	lab
mean	90.3	90.3	91.6	88
SD	7.9	7.9		
n	71	71		
no	1	1		

2013.1 E



	cons.	meth.	ref.	lab
mean	41.7	41.7	43.6	40
SD	3.6	3.6		
n	73	73		
no	6	6		

2013.1 F



	cons.	meth.	ref.	lab
mean	123.4	123.4	123.6	116
SD	10.7	10.7		
n	73	73		
no	1	1		

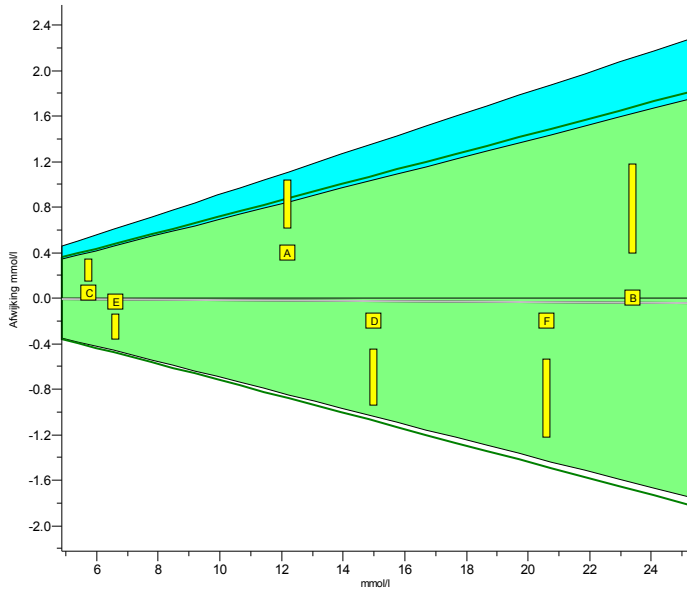
Legend

IFCC traceable IFCC non-traceable

INPUTS 2013.1

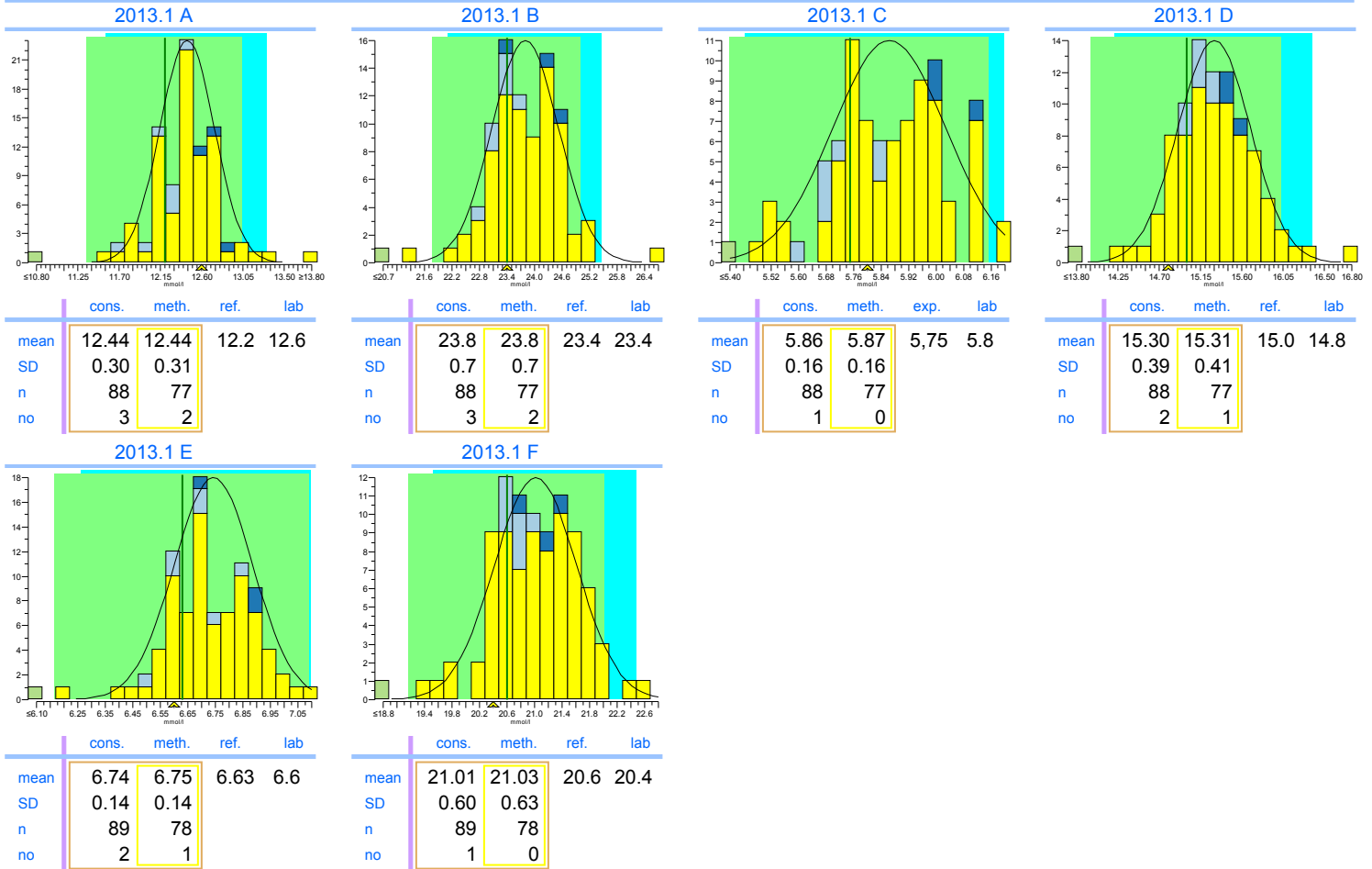
Glucose

units: mmol/l



	2013.1	cumulative
Trueness	+0.02%	+0.02%
Precision	1.6%	1.6%
Number	6	6
Outliers	0	0
Sigma-TE	5.0	5.0
Sigma-SA	5.2 2	5.2 2
Score pictogram		
Regression line	<u>0.00 + 0.998.x</u>	<u>0.00 + 0.998.x</u>

Consensus group: Natte chemie
Method: Hexokinase, automatic



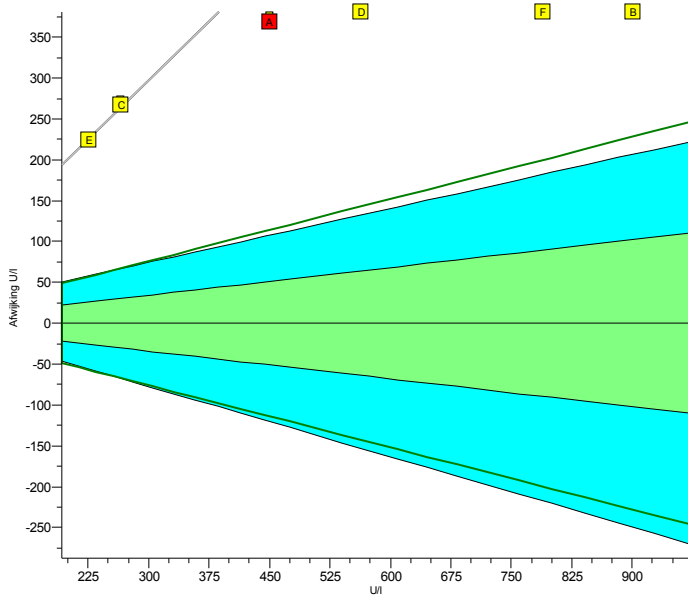
Legend

- Hexokinase, automatic
- Glucose-oxydase, amperometric, H2O2
- Glucose-oxydase/POD, automatic
- Other methods

INPUTS 2013.1

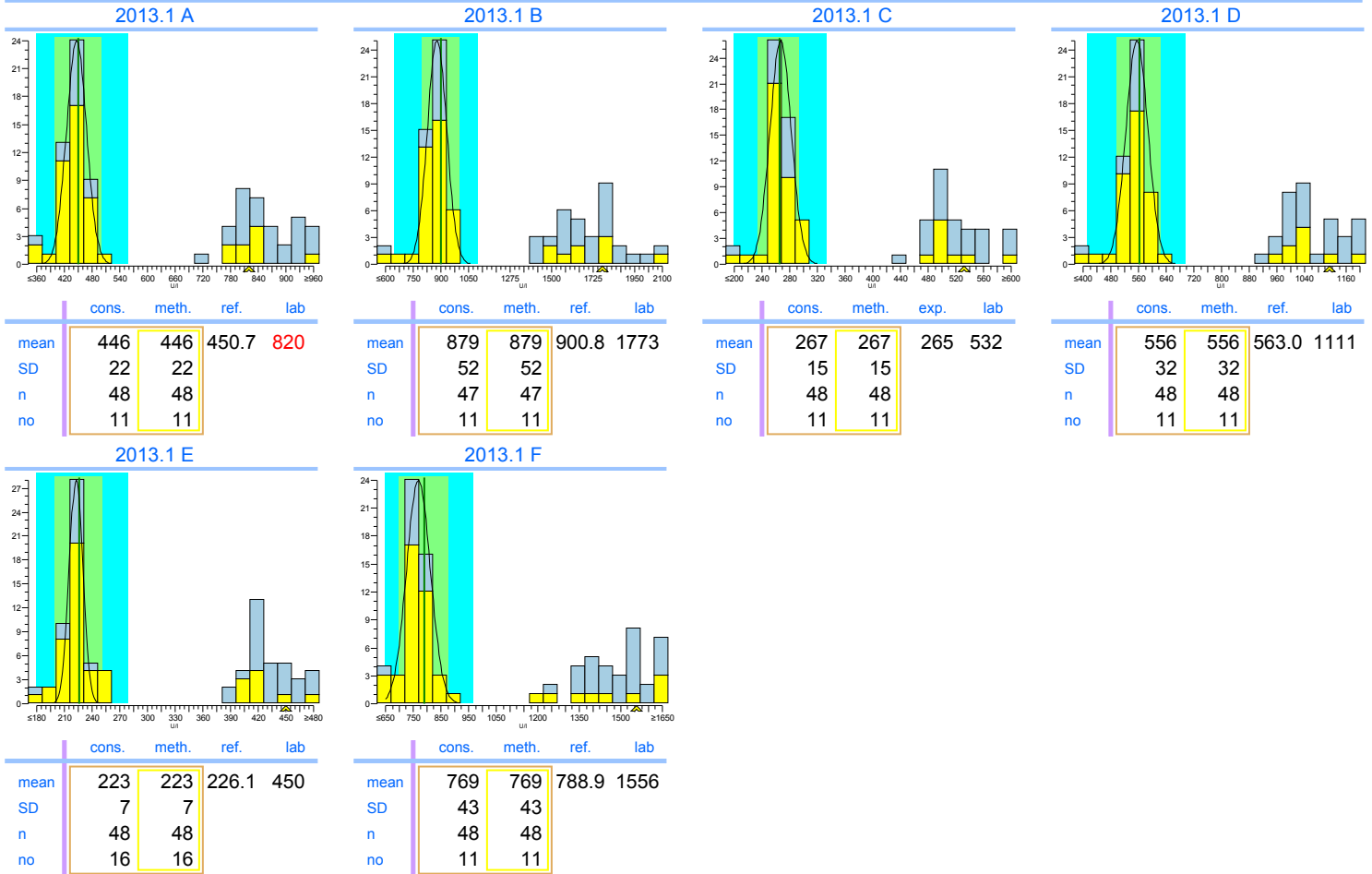
LD

units: U/I



	2013.1	cumulative
Trueness	+98%	+98%
Precision	1.1%	1.1%
Number	6	6
Outliers	1	1
Sigma-TE	-3.0	-3.0
Sigma-SA	-3.0 0	-3.0 0
Score pictogram	 	
Regression line	$10 + 1.958 \cdot x$	$10 + 1.958 \cdot x$

Consensus group IFCC traceerbaar
Method IFCC traceable

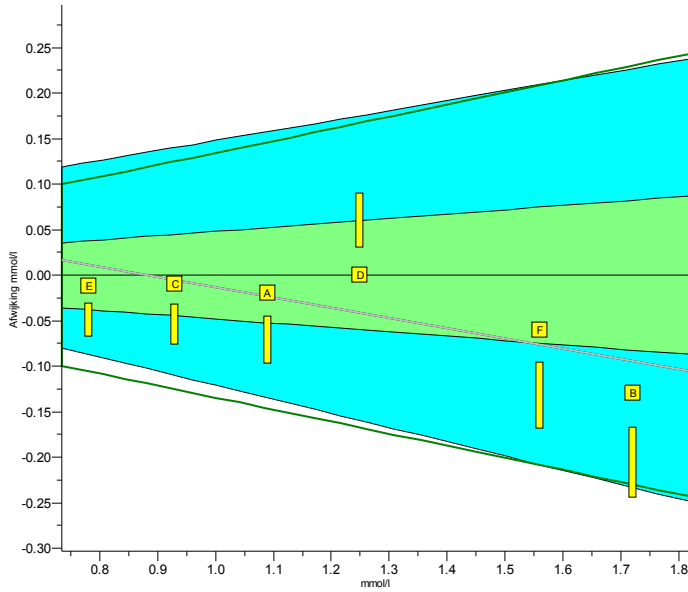


Legend
 IFCC traceable IFCC non-traceable

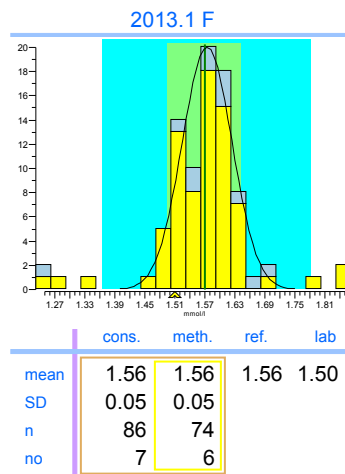
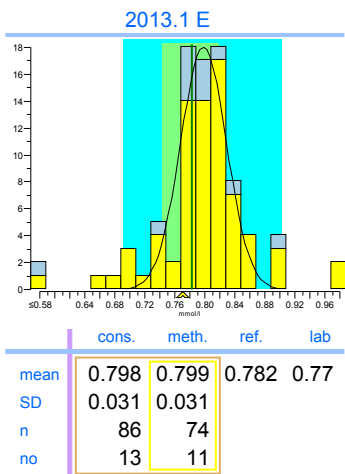
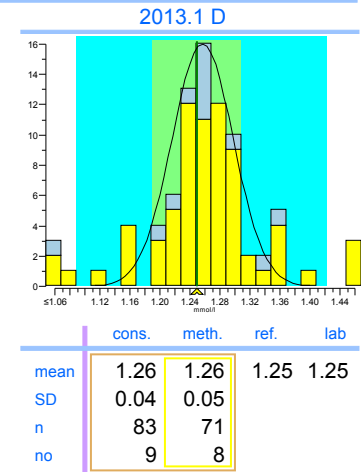
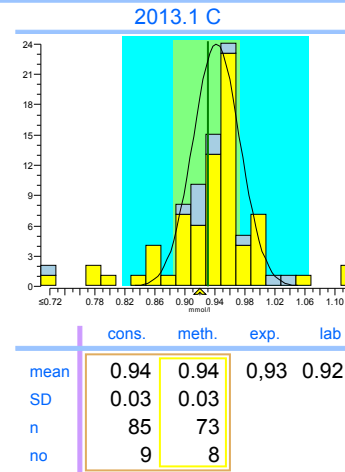
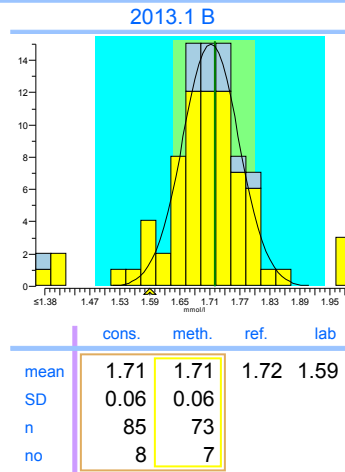
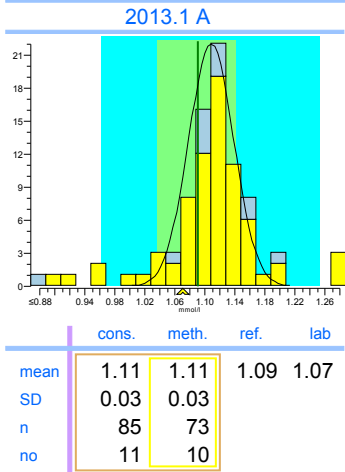
INPUTS 2013.1

Magnesium

units: mmol/l



	2013.1	cumulative
Trueness	-3.2%	-3.2%
Precision	2.6%	2.6%
Number	6	6
Outliers	0	0
Sigma-TE	1.9	1.9
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$0.10 + 0.887 \cdot x$	$0.10 + 0.887 \cdot x$
Consensus group	Overall	
Method	Colorimetric	



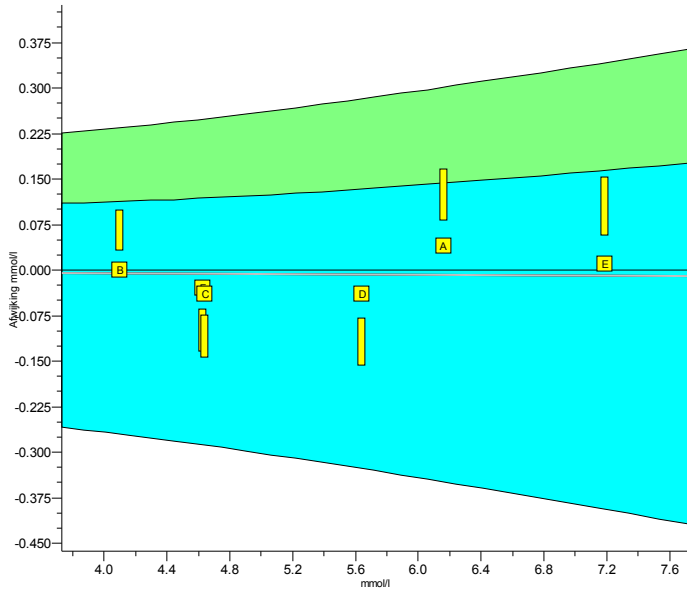
Legend



INPUTS 2013.1

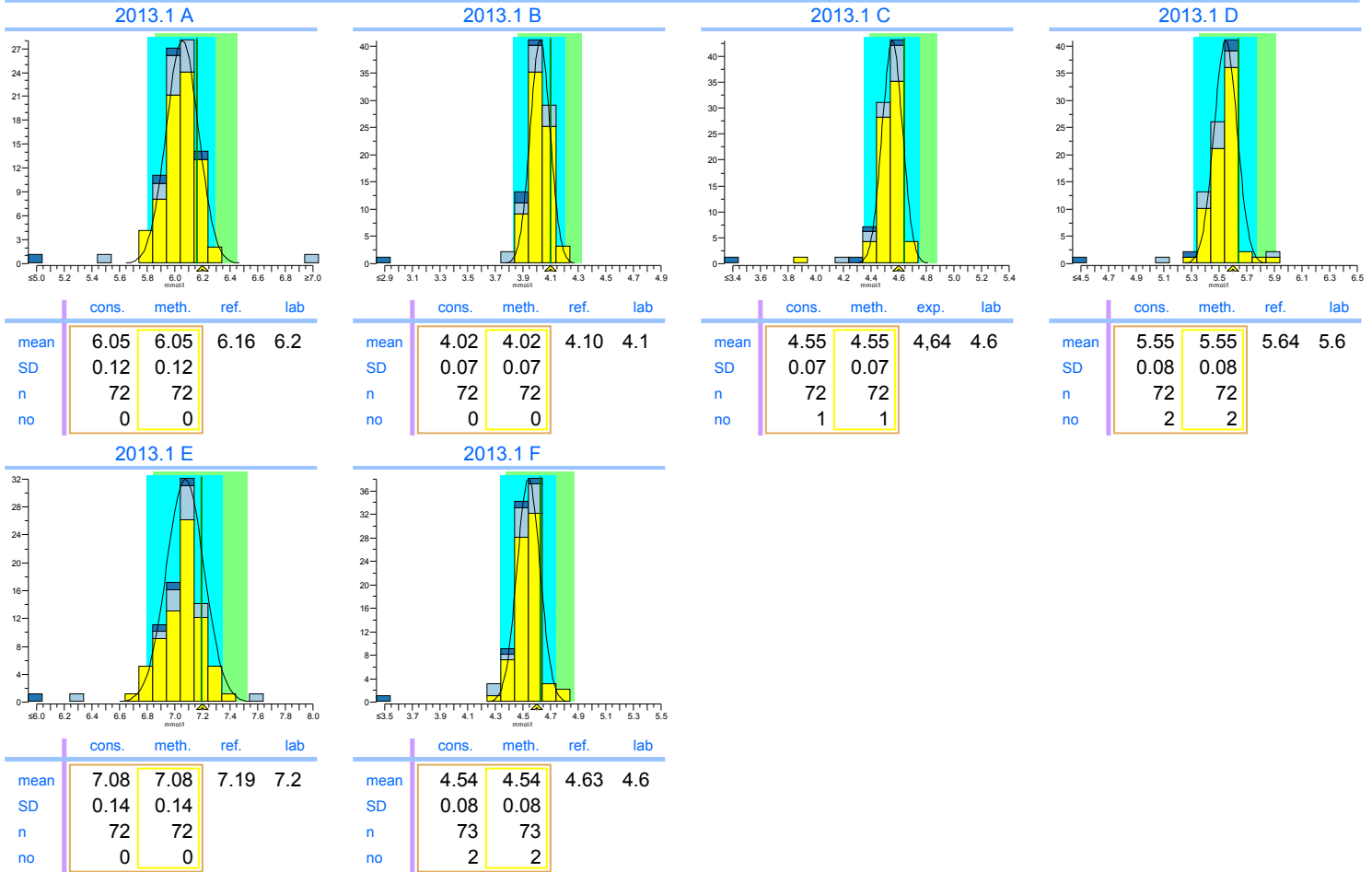
Potassium

units: mmol/l



	2013.1	cumulative
Trueness	-0.19%	-0.19%
Precision	0.59%	0.59%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 2	6.0 2
Sigma-SA	6.0	6.0
Score pictogram		
Regression line	<u>0.00 + 0.999.x</u>	<u>0.00 + 0.999.x</u>

Consensus group ISE verdund/Vlamfotometrie
Method ISE indirect (with predilution)



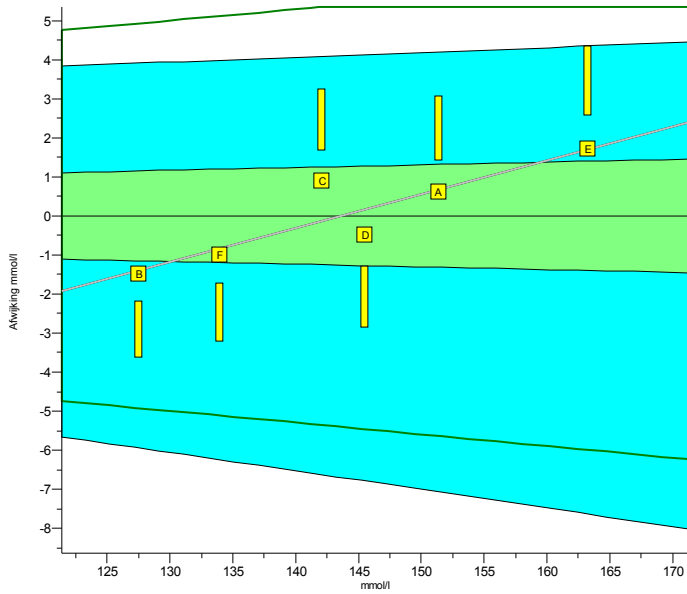
Legend



- ISE indirect (with predilution)
- ISE direct (no predilution)
- Other methods

INPUTS 2013.1

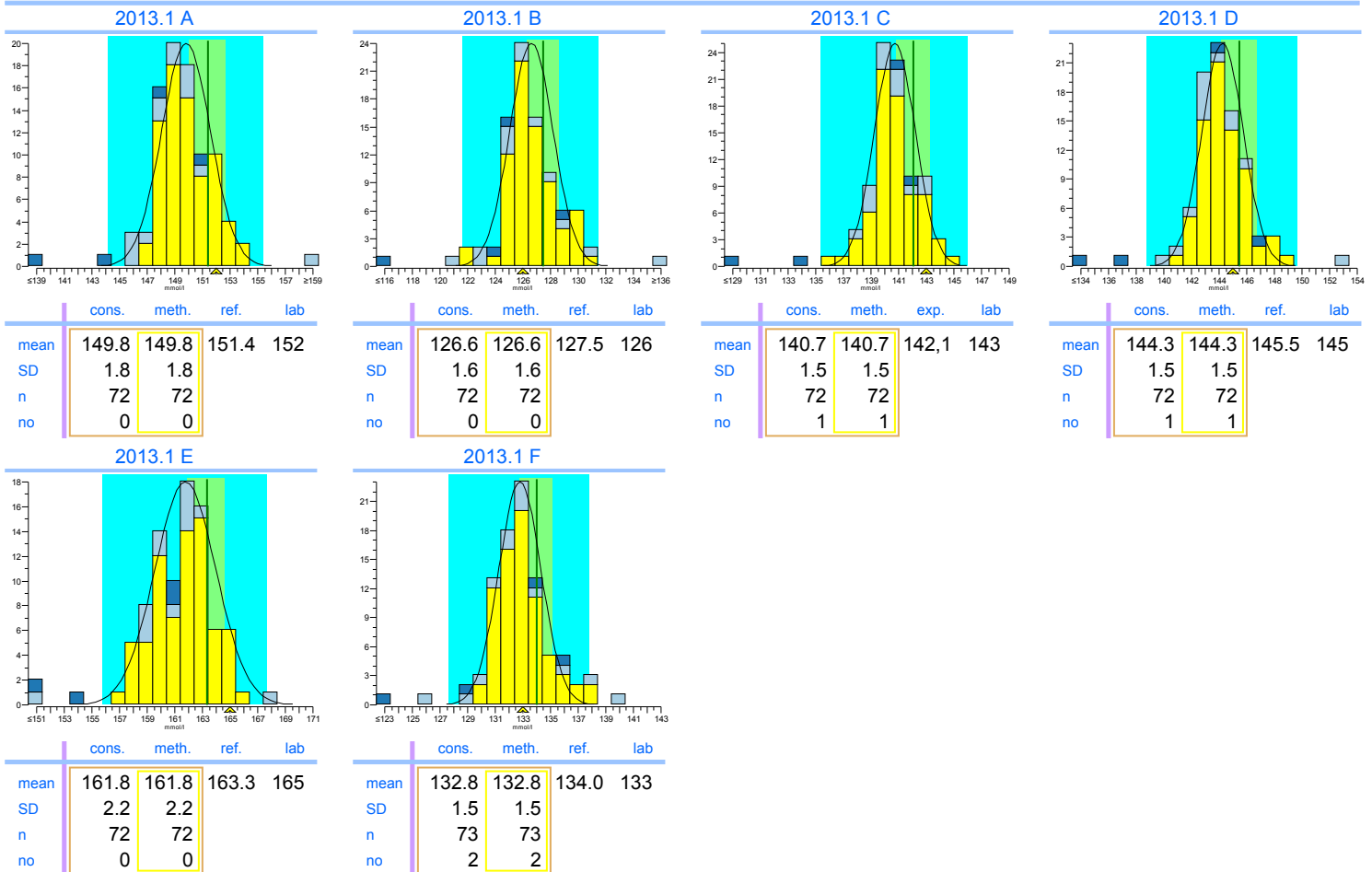
Sodium

units: mmol/l



	2013.1	cumulative
Trueness	+0.02%	+0.02%
Precision	0.45%	0.45%
Number	6	6
Outliers	0	0
Sigma-TE	1.2	1.2
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$-12.4 + 1.086.x$	$-12.4 + 1.086.x$

Consensus group	ISE verdund/Vlamfotometrie
Method	ISE indirect (with predilution)



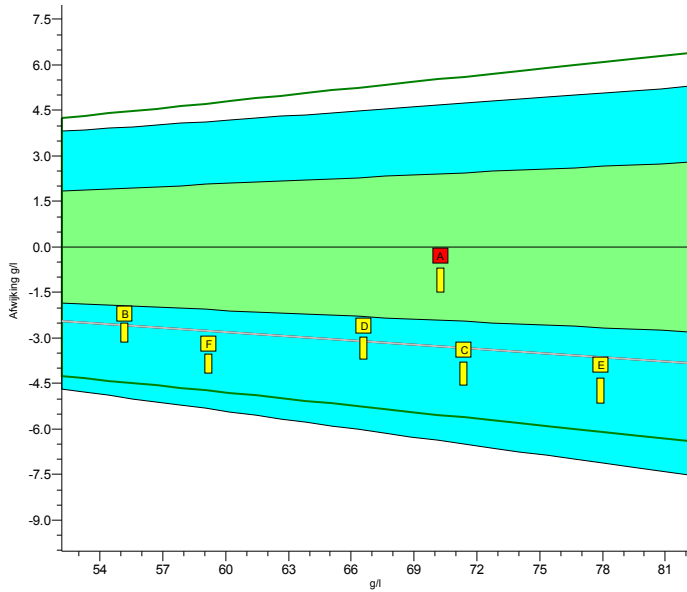
Legend

- ISE indirect (with predilution)
- ISE direct (no predilution)
- Other methods

INPUTS 2013.1

Total Protein

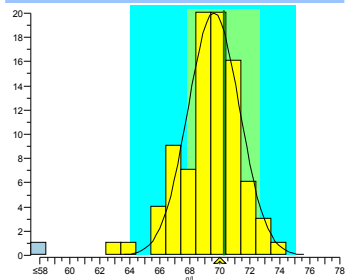
units: g/l



	2013.1	cumulative
Trueness	-4.6%	-4.6%
Precision	0.46%	0.46%
Number	6	6
Outliers	1	1
Sigma-TE	-0.1	-0.1
Sigma-SA	6.0 2	6.0 2
Score pictogram		
Regression line	$0.0 + 0.953.x$	$0.0 + 0.953.x$

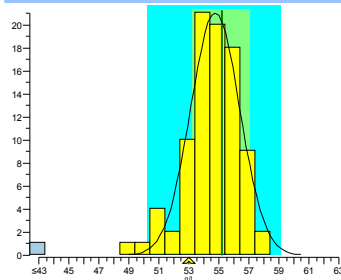
Consensus group Biureet
Method Biurete, automatic

2013.1 A



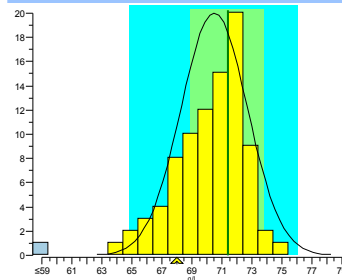
	cons.	meth.	ref.	lab
mean	69.6	69.6	70.3	70
SD	1.7	1.7		
n	88	88		
no	2	2		

2013.1 B



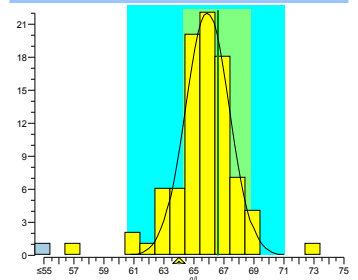
	cons.	meth.	ref.	lab
mean	54.8	54.8	55.2	53
SD	1.6	1.6		
n	88	88		
no	1	1		

2013.1 C



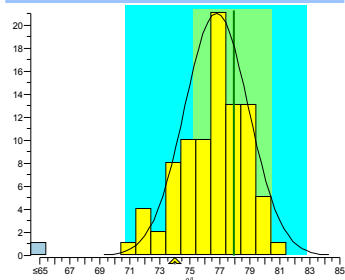
	cons.	meth.	exp.	lab
mean	70.5	70.5	71.4	68
SD	2.2	2.2		
n	87	87		
no	0	0		

2013.1 D



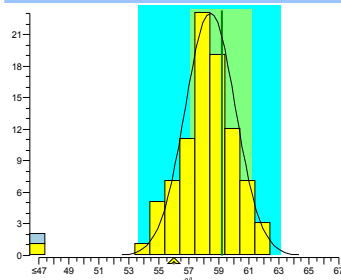
	cons.	meth.	ref.	lab
mean	65.9	65.9	66.6	64
SD	1.5	1.5		
n	88	88		
no	4	4		

2013.1 E



	cons.	meth.	ref.	lab
mean	76.8	76.8	77.9	74
SD	2.1	2.1		
n	88	88		
no	0	0		

2013.1 F



	cons.	meth.	ref.	lab
mean	58.4	58.4	59.2	56
SD	1.7	1.7		
n	89	89		
no	1	1		

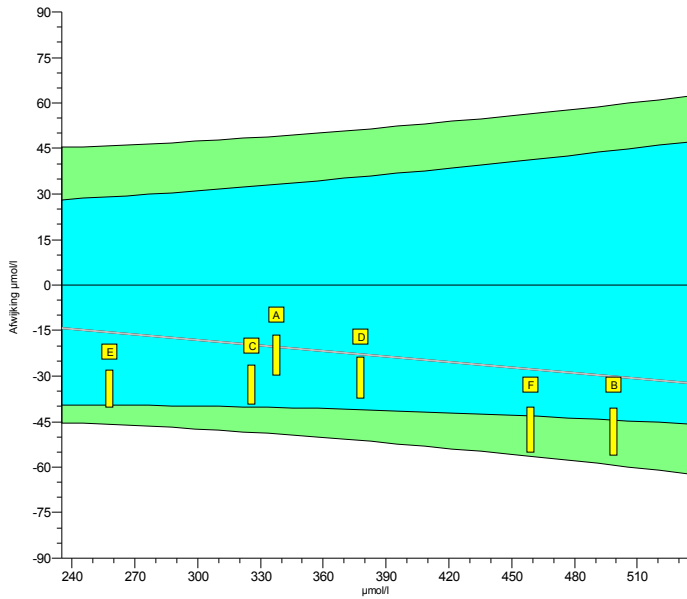
Legend

 Biurete, automatic Other methods

INPUTS 2013.1

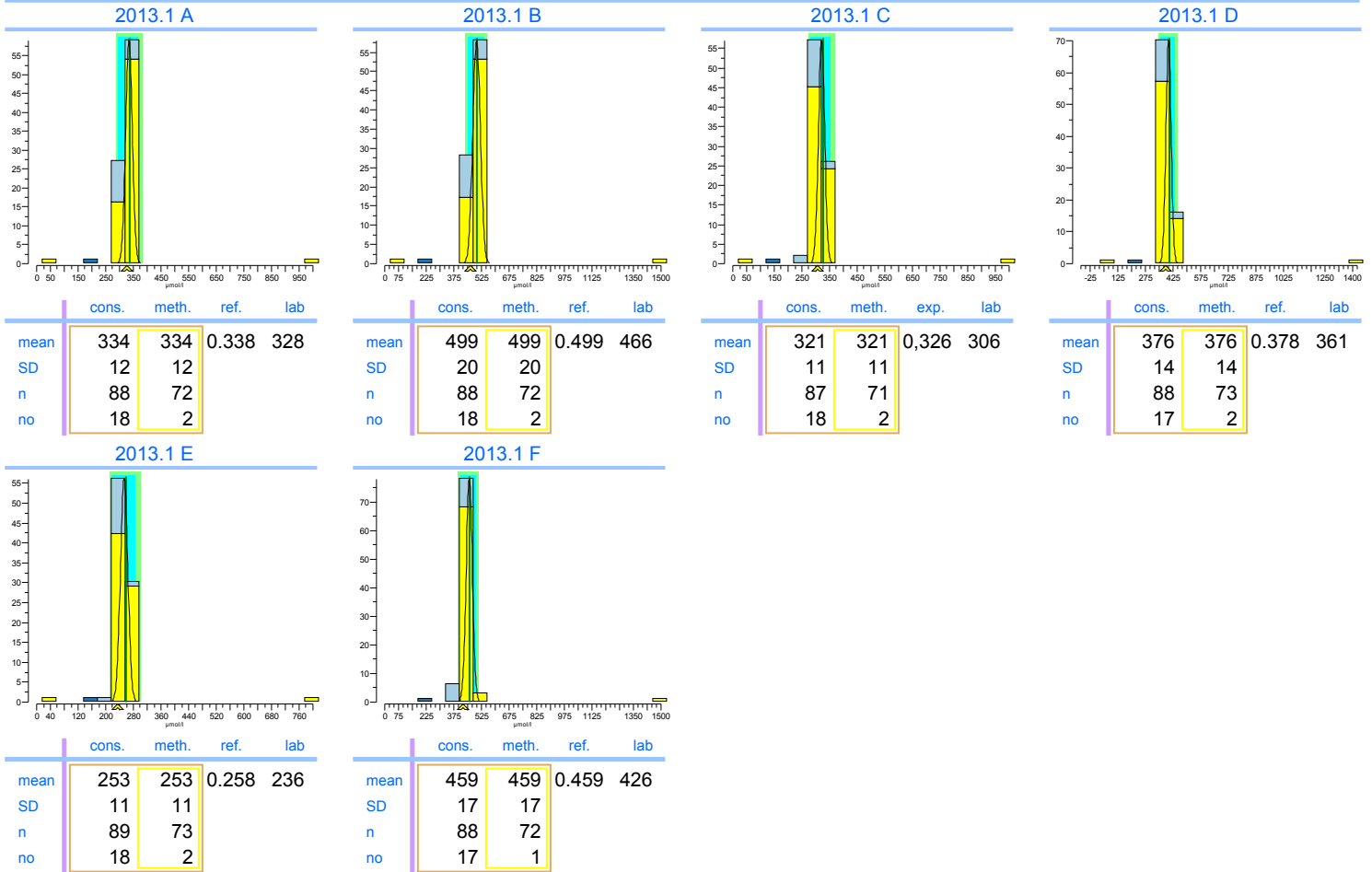
Urate

units: $\mu\text{mol/l}$



	2013.1	cumulative
Trueness	-6.0%	-6.0%
Precision	2.0%	2.0%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 2	6.0 2
Sigma-SA	3.7	3.7
Score pictogram		
Regression line	$0 + 0.940 \cdot x$	$0 + 0.940 \cdot x$

Consensus group Colorimetrisch
Method Uricase, colorim., automatic



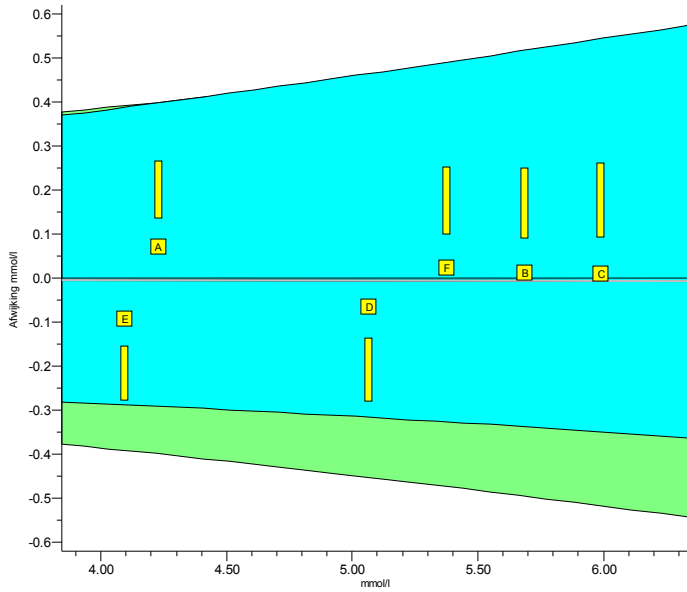
Legend



- Uricase, colorim., automatic
- Uricase, differential UV, automatic
- Overige methoden

INPUTS 2013.1

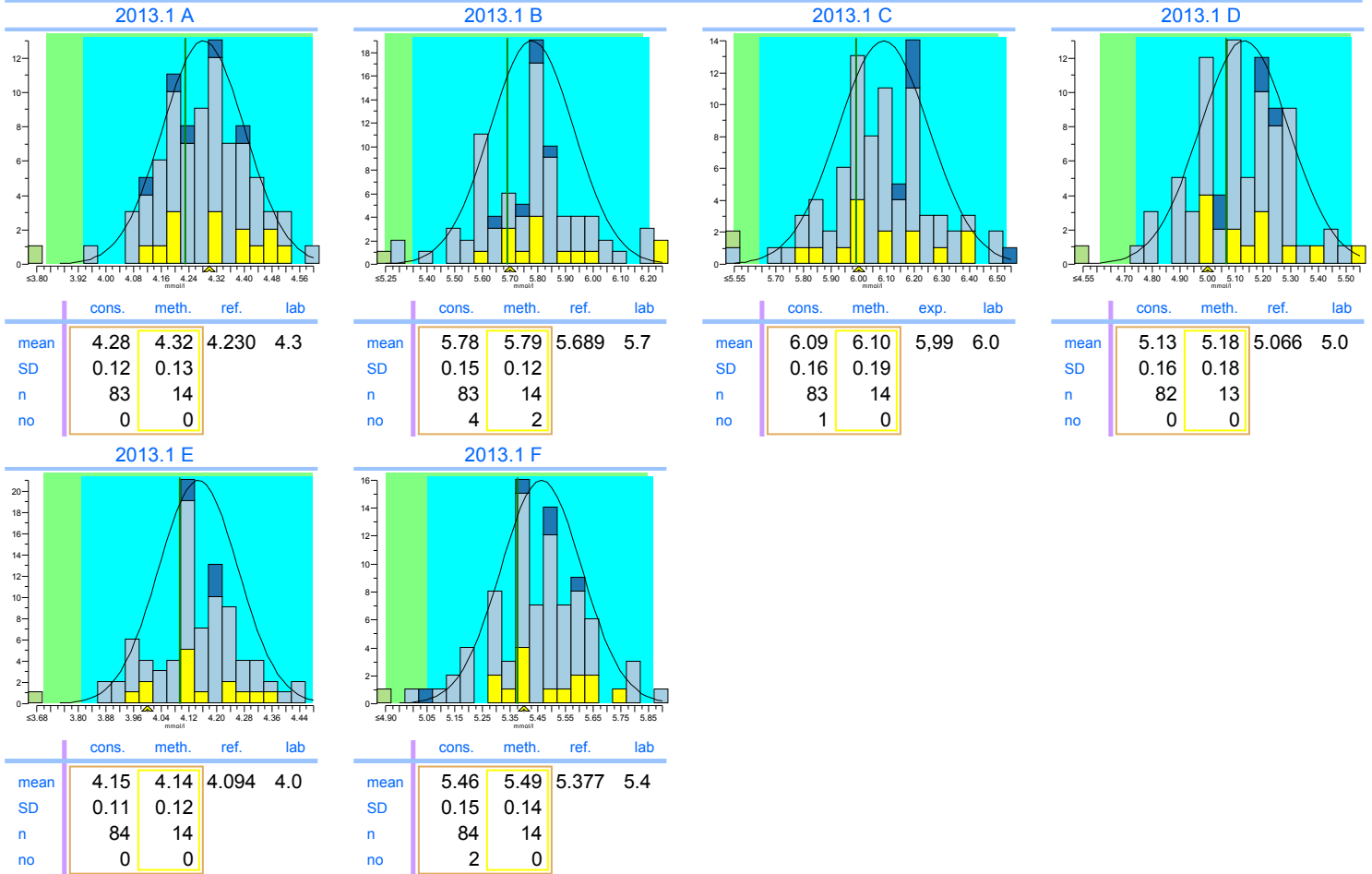
Cholesterol

units: mmol/l



	2013.1	cumulative
Trueness	-0.15%	-0.15%
Precision	1.1%	1.1%
Number	6	6
Outliers	0	0
Sigma-TE	6.0 2	6.0 2
Sigma-SA	6.0	6.0
Score pictogram		
Regression line	$0.00 + 0.999.x$	$0.00 + 0.999.x$

Consensus group	Enzymatisch
Method	Enzymatic, automatic, kinetic



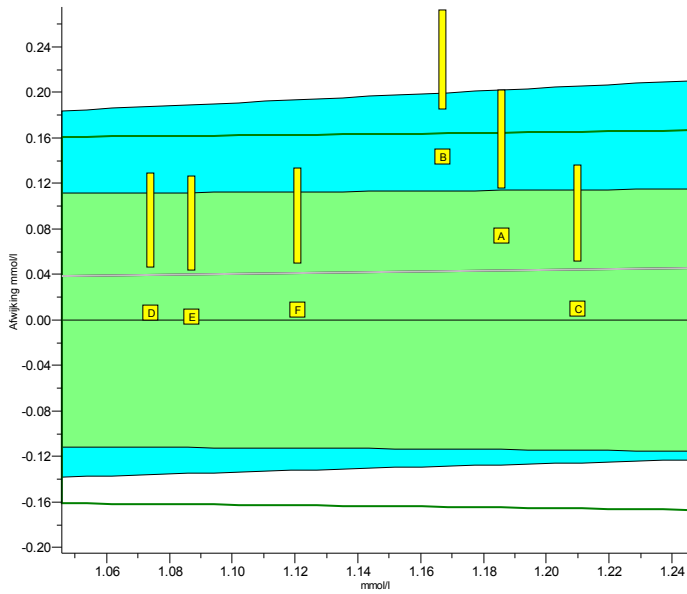
Legend

- Enzymatic, automatic, kinetic
- Enzymatic, automatic, discrete
- Abell-Kendall reference values
- Overige methoden

INPUTS 2013.1

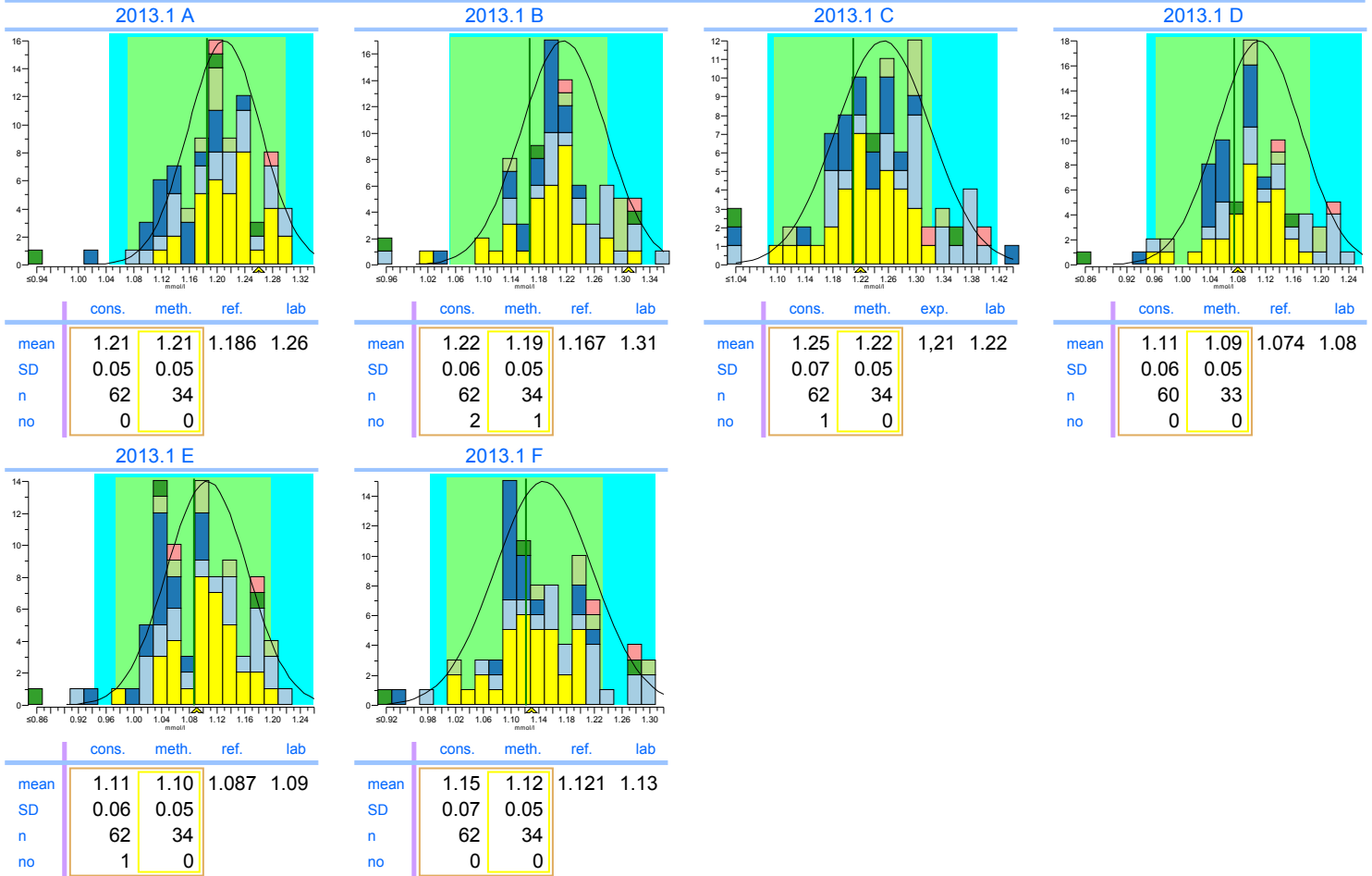
HDL-Cholesterol

units: mmol/l



	2013.1	cumulative
Trueness	+3.6%	+3.6%
Precision	4.4%	4.4%
Number	6	6
Outliers	0	0
Sigma-TE	2.9	2.9
Sigma-SA	4.4 1	4.4 1
Score pictogram		
Regression line	$0.00 + 1.037 \cdot x$	$0.00 + 1.037 \cdot x$

Consensus group	Direct
Method	PEG modified enzyme, PEGME (Kyowa Medex)



Legend

- PEG modified enzyme, PEGME (Kyowa Medex)
- Accelerator Selective Detergent (=Ultra HDL[®])
- Immunoinhibition
- Catalase method (Denka Seiken)
- Overige methoden
- Precipitation Technique